

Approved Materials - Water

| Manufacture Size | - Model No Comments |
|---------------------|------------------------|
|---------------------|------------------------|

2.01 *Pipe and Fittings*

Pipe Couplings

Pipe Repair Couplings

| | |
|-------------------------------|--|
| Dresser | - 253 |
| 4"-16" nom. Size | Mix and Match Colors |
| Romac | - 501, XR501 |
| 2"-24" 501, 4"-12" XR501 | Flanges Color Coded, Red=I.P.S, Black=C.I, Yellow=A.C |
| Romac | - RC-501, EC-501 |
| 4"x3", 6", 8"x6", 10", 4"x16" | Color Coded Range |
| Smith / Blair | - 226, 227, 238, 239, 256, 257, full circle clamp |
| 2"-14", 2"-8" nom. Size | 3/4", 1" Threaded Outlet Single or Double Band |
| Hymax | - 2000 series |
| 4"-24" nom size | longer coupler available |
| Smith / Blair | - 441, 442, 461, 462, 413 |
| 441, 2"-16", 461 4"-12" | Flanges Color Coded, Red=I.P.S, Blue= D.I.P.S, Grey=AC |

B *Fittings Full Body (350 p.s.i.) D.I.P. C110*

Fittings Full Body 350 psi

| | |
|----------------------|---------------------------------------|
| Clow / McWayne | - Cement lined |
| 3" to 36" | Pipe larger than 36" rated at 250 psi |
| U.S.Pipe | - cement lined |
| 3" to 48" | Pipe larger than 30" rated at 250 psi |
| Star | - Cement lined |
| 2" to 54" | Pipe larger than 24" rated at 250 psi |
| Sigma | - Cement lined |
| 3" to 24" | Pipe larger than 24" rated at 250 psi |
| Tyler / Union / Ufco | - Cement lined |
| 2" to 48" | Pipe larger than 24" rated at 250 psi |

Flanged Fittings 250 psi

Approved Materials - Water

| Manufacture Size | - Model No Comments |
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|---------------------|------------------------|

2.01 Pipe and Fittings

B Fittings Full Body (350 p.s.i.) D.I.P. C110

Flanged Fittings 250 psi

| | |
|----------------|----------------|
| Clow / McWayne | - Cement lined |
|----------------|----------------|

Manufactured Restraint Pipe

| | |
|-----------------|-----------------------------|
| Griffin | - snap lok boltless |
| 6" to 48" CL 56 | above 30" is fastite joints |

| | |
|-----------------|--------------------------------------|
| Clow / McWane | - Super Lock boltless |
| 6" to 24" CL 56 | psi 250 above 30" dia.fastite joints |

| | |
|-----------------|--|
| American | - Flex Ring Pipe boltless |
| 4" to 64" CL 56 | psi 250 above 30" dia.fastite joints 20' |

| | |
|-----------------|-------------------------|
| U.S. Pipe | - TR Flex boltless |
| 4" to 24" CL 56 | Above 24" rated 250 psi |

Mechanical Joint Pipe

| | |
|-----------------------|---|
| Clow / Mcwayne | - |
| 3" to 24" /30" to 36" | |

| | |
|-----------|---|
| American | - |
| 4" to 64" | |

| | |
|-----------|---|
| US Pipe | - |
| 4" to 64" | |

| | |
|-----------------------|---|
| Griffin | - |
| 3" to 24" /30" to 48" | |

Mechanical Joint Restraints

| | |
|-----------|----------------------------|
| Ford | - Uni-Flange -1400 series |
| 3" to 36" | Above 16" rated at 250 psi |

| | |
|----------------|----------------------------------|
| Ebba Iron Inc. | - 1100 series |
| 3" to 48" | Above 16" rated at 250 psi,Black |

Restrained flange adapter

Approved Materials - Water

| Manufacture Size | - Model No Comments |
|---------------------|------------------------|
|---------------------|------------------------|

2.01 Pipe and Fittings

B Fittings Full Body (350 p.s.i.) D.I.P. C110

Restrained flange adapter

| | |
|----------------|---------------|
| Ebba Iron Inc. | - 2100 series |
| 3" to 48" | |

Ductile Iron Pipe, CL 52,53,56

| | |
|-----------|--|
| U.S Pipe | - Tyton |
| 4" to 64" | 4"- 42" in 18' lengths, 16", 20", 24" , 48"-64" in 20' lengths |

| | |
|-----------|-------------------------------------|
| American | - Fastite |
| 4" to 64" | 20' lengths except 4" is 18' length |

| | |
|------------------------|------------------------------------|
| McWane / Clow | - Tyton / Fastite |
| 3" to 24" / 30" to 36" | 3" and 4" available in 20' lengths |

| | |
|------------------------|------------------------------|
| Griffin | - Tyton / Fastite |
| 3" to 24" / 30" to 48" | 18' or 20' lengths available |

2.05 Steel encasement pipe

Casing Chocks (stainless steel)

Casing Chocks

Power Seal Pipeline Produc - 4810

| | |
|-----------|---------------------|
| As Needed | @ 10' intervals max |
|-----------|---------------------|

Cascade Waterworld Mfg.. -

| | |
|-----------|---------------------|
| As Needed | @ 10' intervals max |
|-----------|---------------------|

Advance Products & Sys., I - SS1

| | |
|-----------|---------------------|
| As Needed | @ 10' intervals max |
|-----------|---------------------|

2.06 Gate Valves

Gate Valves-Resilient Wedge

* See Municipal Requirements

Gate Valve Includes OS&Y

| | |
|---------|--------------------------|
| Mueller | - 2360/ 2361, C515, C509 |
|---------|--------------------------|

| | |
|--------------------------|--------------------------------|
| 2.5" TO 12" / 14" to 36" | Assembly Bolts Stainless Steel |
|--------------------------|--------------------------------|

Approved Materials - Water

| Manufacture Size | - Model No Comments |
|---------------------|------------------------|
|---------------------|------------------------|

2.06 Gate Valves

Gate Valves-Resilient Wedge

* See Municipal Requirements

Gate Valve Includes OS&Y

| | |
|------------------------|--------------------------------|
| Kennedy | - KS-FW,C515,C509 D.I.P. body |
| 2" to 12",14"+ by clow | Assembly Bolts Stainless Steel |
| American Flow Control | - 2500 D.I.P. body C515,C509 |
| 2" TO 16" | Assembly Bolts Stainless Steel |
| Clow | - C515 or C509 D.I.P. body |
| 2" to 12" | Assembly Bolts Stainless Steel |

2.07 Tapping Sleeves

B Tapping Sleeves (Flanged or MJ)

Tapping Sleeves

| | |
|----------------------------|---|
| JCM- | - 432 |
| 2"-12" and 4"-24" MJ | Stainless Steel 15"width min. |
| Romac Industries | - SST111,SSTM.J. |
| 4"-30"with 12"outlet | Stainless Steel flange |
| Rockwell/Smith Blair | - 663, 665 |
| 6"-24"with 4" - 12" outlet | Stainless Steel add mj to order |
| Mueller | - H-304SS,304MJ,H-615,T-9 |
| 4"-36" | H-615 dip body 4"-24",T-9 30"-36"d.i.p. |
| American Darling | - 2800 |
| 4"-36"x 4"-24" outlet | D.I.P. Body |
| Power Seal | - 3480 / 3480MJ |
| 4"-24" x 2"-24" outlet | Stainless,one piece mj outlet |

C Tapping Valves (Resilient Wedge) stainless bolts

Tapping Valves

| | |
|-----------------------|----------------|
| American Flow Control | - 2500-1, 2500 |
| 4" to 48" | MJ or Flange, |

Approved Materials - Water

| Manufacture Size | - Model No Comments |
|---------------------|------------------------|
|---------------------|------------------------|

2.07 *Tapping Sleeves*

C Tapping Valves (Resilent Wedge) stainless bolts

Tapping Valves

| | |
|-----------|--------------|
| Kennedy | - 8950ss |
| 4" to 12" | MJ or Flange |
| Mueller | - 2360 |
| 4" to 24" | MJ or Flange |

2.09 *Valve box*

Valve Boxes, Water on Top 3 Piece Screw Type

Valve Boxes

| | |
|----------------|----------------------|
| Bingham Taylor | - |
| 5.25" shaft | extensions available |
| Bibby | - V600, V900 |
| 5.25" ,7" | extensions available |
| Tyler | - 6860 series |
| 5.25" shaft | extensions available |
| Star | - VB5000 Series |
| 5.25" | extensions available |

2.10 *Meter Vaults*

Precast Concrete Vault, Frames, Covers

Doors

| | |
|---------------------|----------------|
| Bilco | - |
| as needed to remove | out of roadway |

Frames and Covers

| | |
|------------------------|----------------|
| East Jordan Iron Works | - 1710 |
| | Heavy duty |
| Neenah | - Model R-1782 |
| | Heavy duty |

Approved Materials - Water

| Manufacture | - Model No |
|-------------|------------|
| Size | Comments |

2.10 Meter Vaults

Precast Concrete Vault, Frames, Covers

Frames and Covers

| | |
|------------------------|---------------------|
| East Jordan Iron Works | - model 2990 |
| | Non traffic bearing |

2.11 Flushing Assembly

Flushing Assembly, Blow-off

Flushing Assembly

| | |
|----------|--------------------|
| Kupferle | - TF500 |
| 2" | Comes with own key |

2.12 Fire Hydrants

B Hydrants (three-way type) Repair Kits, Stortz Connection

Hydrants

| | |
|-------------------------|---------------|
| Mueller-Super-Centurion | - A-423 / 423 |
| 5.25" M.V.O | |

| | |
|------------------|-----------|
| American Darling | - B62-B-5 |
| 5.25" M.V.O | |

D Hydrant Anchoring (Swivel) Tee's and 90's

Anchoring Pipe

| | |
|----------------------|---|
| Tyler/Union | - |
| 8"-30"x6" and 16"x8" | |

| | |
|---------------------------|---|
| American Cast Iron Pipe C | - |
| 6" | |

| | |
|--------------------------|---|
| U.S. Pump and Foundry Co | - |
| 6" | |

| | |
|-------|---|
| Sigma | - |
| 6" | |

| | |
|----------------|---|
| Clow / McWayne | - |
| 6" | |

Approved Materials - Water

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|---------------------|------------------------|
|---------------------|------------------------|

2.12 Fire Hydrants

D Hydrant Anchoring (Swivel) Tee's and 90's

Concentric Reducer

Clow, Sigma, Star, Tyler Unio -

8" x 6", 4" x 6"

2.15 Service connections

A Corp Stops, Curb Stops, Flare Fittings, Service Saddles

Bronze Service Saddle

Mueller - BR2B

4" to 16" nom. size Double Strap, 3/4" to 2" outlet, corp

Smith - Blair - 325

4" to 12" nom. size Double Strap, 3/4" to 2" outlet, corp

Corporation Stops

A.Y. McDonald - 4701-B

1" min. new const. Ball valve

Mueller - 15000, B25025, B25000

1" min. new const. Ball valve

Ford Meter Box Co. - F600, F700, FB600, FB700

1" min. new const. Ball valve

Curb Box

McWayne Bibby - V005-V011

2.5" dia. Screw type

Bingham and Taylor - P-94-E

2.5" dia. Screw type

Curb Stops

A. Y. McDonald - 6100 series

1" min. new const Flare x Flare

Mueller - B-25204

1" min. new const Quarter turn check only

Approved Materials - Water

| Manufacture | - Model No |
|-------------|------------|
| Size | Comments |

2.15 Service connections

A Corp Stops, Curb Stops, Flare Fittings, Service Saddles

Curb Stops

| | |
|--------------------|---------------|
| Ford Meter Box Co. | - B-22 series |
| 1" min. new const | Flare x Flare |

Union Fitting/ adapters

| | |
|--------------------|------------------------------|
| Mueller | - H-15400 |
| 1" min. new const | 1/2" to 2" available, 3 part |
| A. Y. McDonald | - 4758 |
| 1" min. new const | 1/2" to 2" available, 3 part |
| Ford Meter Box Co. | - C22 series |
| 1" min. new const | 1/2" to 2" available, 3 part |

2.25 Meters and settings

Combination Meter

| | |
|----------|-------------|
| Omni | - F2 |
| 4" above | remote read |

Domestic meters

| | |
|-------------|------|
| Sensus | - SR |
| 1" and 1.5" | |

| | |
|--------------|------|
| Omni | - C2 |
| 2" and above | |

Angle Yoke Ells

| | |
|---------------|--|
| Ford | - L92 series |
| 3/4" to 2" | Flared copper by meter yoke nose |
| Mueller | - H-14202 |
| 3/4" to 2" | Lock nut x copper flare nut |
| A.Y. McDonald | - 4779Y |
| 3/4" to 2" | Flange by Flare elbow available 4783F 1.5" |

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|-------------|------------|
| Size | Comments |

2.25 Meters and settings

Angle Yoke Valve

| | |
|---------------|------------------------------|
| A.Y. McDonald | - 4602Y |
| 3/4" to 2" | Flanged available 4602B 1.5" |

| | |
|------------|---------------|
| Ford | - BA92 series |
| 3/4" to 2" | |

| | |
|------------|-----------------------------|
| Mueller | - B-24264 |
| 3/4" to 2" | Copper Flare nut x lock nut |

Frame and Cover

| | |
|-------------|---------------------|
| East jordan | - 2890 |
| | Non traffic bearing |

Meter Lid Cover

| | |
|-----------------|--------------------|
| Ford | - C-32-T,C3-T,C4-T |
| 18" to 21" dia. | |

PVC Meter Vault 30" depth

| | |
|---------------------------|-----------------|
| Carson / Sonoloc/ ADS | - |
| 18" dia. through 30" dia. | PVC Meter Vault |

Yoke

| | |
|---------------|--------------|
| A.Y. McDonald | - 14-2,4 |
| 3/4" / 1" | |
| Mueller | - |
| 3/4" / 1" | |
| Ford | - Y-502/Y504 |
| 3/4" / 1" | Iron Yoke |

Yoke Expander connector

| | |
|---------------|---------------------|
| A.Y. McDonald | - 14-2 EHG&14-4 EHG |
| 3/4" / 1" | |

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2.25 Meters and settings

Yoke Expander connector

| | |
|-----------|---------------------|
| Mueller | - H-14234 |
| 3/4" / 1" | 3 piece with o-ring |
| Ford | - EC-23,EC-4 |
| 3/4" / 1" | |